Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

YNK-DBR No. 65
Date 07.09.19

No. 1st and Final bill

Date.....20.....

AEE, YSTSD
SBR No: 26/19-20
Date: 17/8/2019

Division-Yelahanka Division
Bill Received No.....Dated.....Cash Book Voucher No.....dated
Scheduled Docket No.....
Head of Account:

Name of Work : Providing Borewell water pipe lines Water Supply works at ward no.3

Contractor and Full Address: M/s KRIDL

Reference to Agreement No: 46/2019-20

Work Order No: BBMP/EE(YNK.D)/W.O/18/2019-20

P-1878

Job code No: 003-19-000093

Certified that the measurements were taken by me on 9/8/2019 and recorded in pages 114832 to 114840/2
Of measurement Book No. 1149/2017-18 and that the work is satisfactorily executed.

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Officer-in-charge of work 9/8/2019

Certified that the measurements were taken by me on 09/08/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎ.ಕ. ಬೆಂಗಳೂರು-106

If Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total	9695659=00
2)	Deduct amount to be held in reserve being.....percent Rs.....	CONST	86568=00
3)	Deduct amount to be held in Balance	SCST	86568=00
4)	Deduct Payment :	IT	193913=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	CBF	9695=00
	Amount adjusted towards cash advance recovery of	LC	96957=00
	b) Payments cost store or other materials supplied	LR	44804=00
	Now made recovery of amount creditable to this/other work	PSD	484783=00
	Amount paid on this bill Cheque/Cash		1002688=00
5)	Balance being unpaid value of work done held in reserve		8692971=00
6)	Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7)	Net amount due to or from contractor		
	Unadjusted items		
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied		

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
Contractor's Signature

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

Dated.....Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs. 9695659/-
Ninety five lakhs ninety five thousand six hundred fifty nine only
Rs. 8692971/- by Cheque
and Rs. 1002688/- by adjustment

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment

Executive Engineer

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.3

ABSTRACT - R.A BILL No.01

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Each	12.00	2065.00	24780.00	–	–	12.00	2065.00	24780.00	12.00	24780.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)	Mtr										
	0.00 to 50.00 Mtr.	Mtr	600.00	315.80	189480.00			600.00	315.80	189480.00	600.00	189480.00
	50.00 to 100.00 Mtr.	Mtr	600.00	412.60	247560.00			600.00	412.60	247560.00	600.00	247560.00
	100.00 to 150.00 Mtr.	Mtr	600.00	458.35	275010.00			600.00	458.35	275010.00	600.00	275010.00
	150.00 to 200.00 Mtr.	Mtr	600.00	484.10	290460.00			600.00	484.10	290460.00	600.00	290460.00
	200.00 to 250.00 Mtr.	Mtr	600.00	560.32	336192.00			600.00	560.32	336192.00	600.00	336192.00
	250.00 to 300.00 Mtr.	Mtr	600.00	600.49	360294.00			600.00	600.49	360294.00	600.00	360294.00
	300.00 to 350.00 Mtr.	Mtr	600.00	622.00	373200.00			600.00	622.00	373200.00	600.00	373200.00
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)	Rmt	600.00	1325.00	795000.00			600.00	1325.00	795000.00	600.00	795000.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)	Rmt	72.00	1100.00	79200.00			72.00	1100.00	79200.00	72.00	79200.00
5	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)6	Each	12.00	100.00	1200.00			12.00	100.00	1200.00	12.00	1200.00
6	supply of 175mm M.S collars each (P.NO-III, I.NO-86, PRED 12-13 SR)	Each	84.00	150.00	12600.00			84.00	150.00	12600.00	84.00	12600.00
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 25 stage (P.NO-XLII, I.NO-41, PWD SR-2018-19)	Nos	7.00	63986.90	447908.30			7.00	63986.90	447908.30	7.00	447908.30

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe (PWD SR-2018-19, P.No.92 I.no. 13.6)	Rmtr	2100.00	542.72	1139712.00			2100.00	542.72	1139712.00	2100.00	1139712.00
9	Coller	Each	189.00	212.00	40068.00			189.00	212.00	40068.00	189.00	40068.00
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), Group A BWSSB 13-14 SR)	Rmt	1995.00	164.29	327758.55			1995.00	164.29	327758.55	1995.00	327758.55

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	Nos	7.00	14800.00	103600.00			7.00	14800.00	103600.00	7.00	103600.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)	Sqm Cm	154000.00	0.34	52360 00			154000.00	0.34	52360.00	154000.00	52360.00
13	Providing & Fixing of clamps set and borewell cap to the pump (MR)	No's	7.00	1800.00	12600.00			7.00	1800.00	12600.00	7.00	12600.00
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR-2018-19, P.NO.XXV, Sl.no, 647)	No's	14.00	1016.95	14237 30			14.00	1016.95	14237.30	14.00	14237.30
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR-2018-19, P.NO.XXVI, Sl.no, 661)	No's	28.00 26	1482.21	41501 84			26.00	1482.21	38537.42	26.00	38537.42
16	Providing and fixing of 50mm GI Shortbend to motor (PWD SR-2018-19, P.NO.XXXIX, G I. Pipe Fittings - ISI Standards Table)	No's	14.00	232.14	3249.96			14.00	232.14	3249.96	14.00	3249.96

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
17	Providing and fixing of 50mm GI union to the motor (PWD SR-2018-19, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)	No's	14.00	237.12	3319.68			14.00	237.12	3319.68	14.00	3319.68
18	suppling & fixing of 50mm GI Elbow PWD SR 18-19 XXXIX	No's	14.00	111.80	1565.20			14.00	111.80	1565.20	14.00	1565.20
19	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I No - 3, BWSSB SR 13-14)	Per length	364.00	90.64	32992.96			364.00	90.64	32992.96	364.00	32992.96
20	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)	No's	7.00	475.00	3325.00			7.00	475.00	3325.00	7.00	3325.00
21	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)	No's	7.00	906.40	6344.80			7.00	906.40	6344.80	7.00	6344.80
22	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr	245.00	169.95	41637.75			245.00	169.95	41637.75	245.00	41637.75

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
23	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)	Mtr	245.00	56.65	13879.25			245.00	56.65	13879.25	245.00	13879.25
24	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)	Mtr	21.00	249.26	5234.46			21.00	249.26	5234.46	21.00	5234.46
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)	No's	7.00	1699.50	11896.50			7.00	1699.50	11896.50	7.00	11896.50
26	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)	No's	7.00	271.92	1903.44			7.00	271.92	1903.44	7.00	1903.44

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
27	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	No's	7.00	1350.00	9450.00			7.00	1350.00	9450.00	7.00	9450.00
28	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia (P.NO - 94, I.NO - 13.79.6, PWD SR-2018-19)	No's	7.00	778.04	5446.28			7.00	778.04	5446.28	7.00	5446.28
29	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)	No's	7.00	311.58	2181.06			7.00	311.58	2181.06	7.00	2181.06
30	Erection of pumping machineries PRE SR 12-13 pg 51/10.3.20	No	7.00	900.00	6300.00			7.00	900.00	6300.00	7.00	6300.00
31	KPTCL Deposit charges	L/S	7.00	13300.00	93100.00			7.00	13300.00	93100.00	7.00	93100.00
32	Borewell registration charges per Rs 1000 each for BWSSB	L/S	7.00	1000.00	7000.00			7.00	1000.00	7000.00	7.00	7000.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
33	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5(Page No.5 , Item No.2.4,PW,P & IWTD SR 2018-19)	Cum	706.58	316.94	223943.47			706.58	316.94	223943.47	706.58	223943.47
34	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes (Page No.99, Item No. 13.87.6)	Rmt	1442.00	457.92	660320.64			1442.00	457.92	660320.64	1442.00	660320.64

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
35	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	151.41	2001.28	303013.80			151.41	2001.28	303013.80	151.41	303013.80
36	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 PWD SR 2018-19)	Cum	151.41	5421.90	820929.88			151.41	5421.90	820929.88	151.41	820929.88

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
37	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum	Cum	151.41	5210.96	788991.45			151.41	5210.96	788991.45	151.41	788991.45

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
38	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19	Cum	706.58	213.06	150543.93			706.58	213.06	150543.93	706.58	150543.93
	Total				**8361291.51**					**8358327.09**		**8358327.09**
	GST Chaarges 12%				**1003354.98**					**1002999.25**		**1002999.25**
	KRIDL Charge 4%				**334451.66**					**334333.08**		**334333.08**
	Grand Total				**9699098.15**					**9695659.43**		**9695659.43**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Assistant Engineer
Ward No-03
9/8/2019

09/08/19
Asst. Executive Engineer,
Yelahanka Satellite town Sub Division
Bangalore-64